

Figure 3a

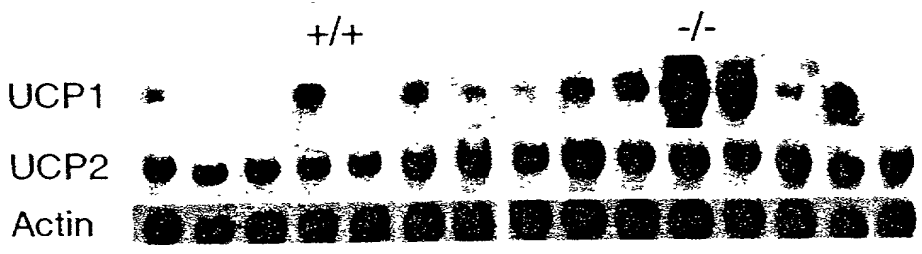


Figure 3b

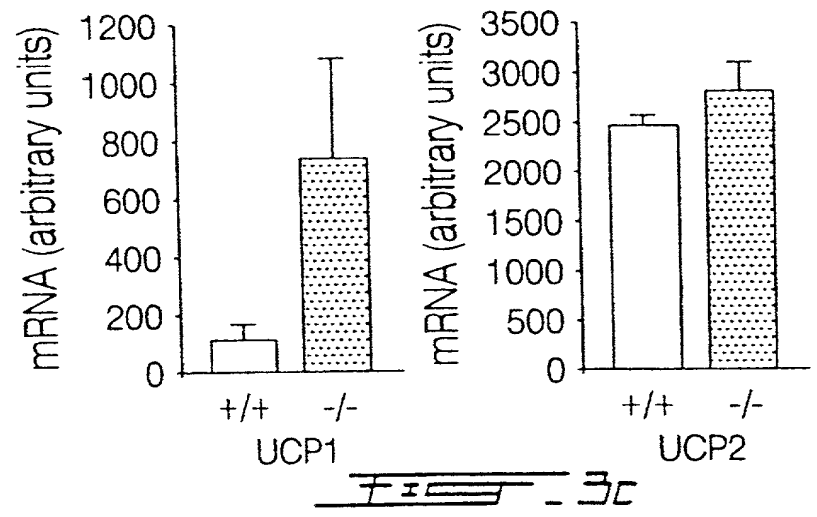


Figure 3c

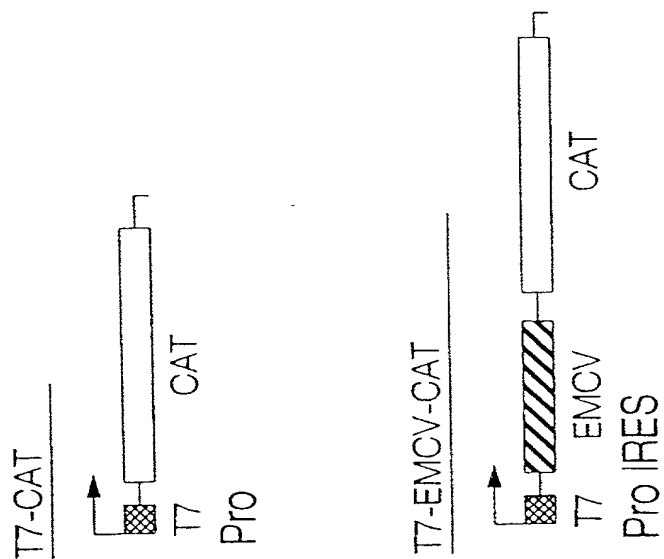


Fig. 4a

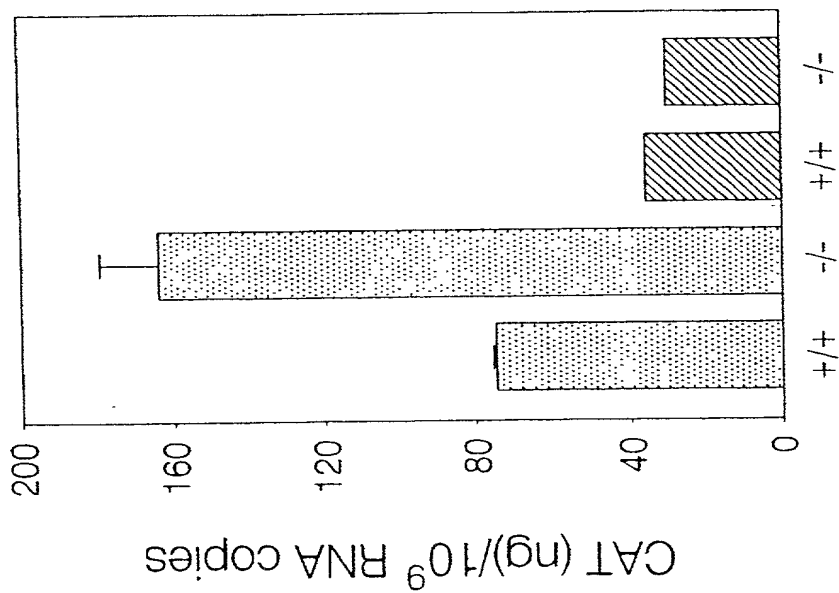


Fig. 4b

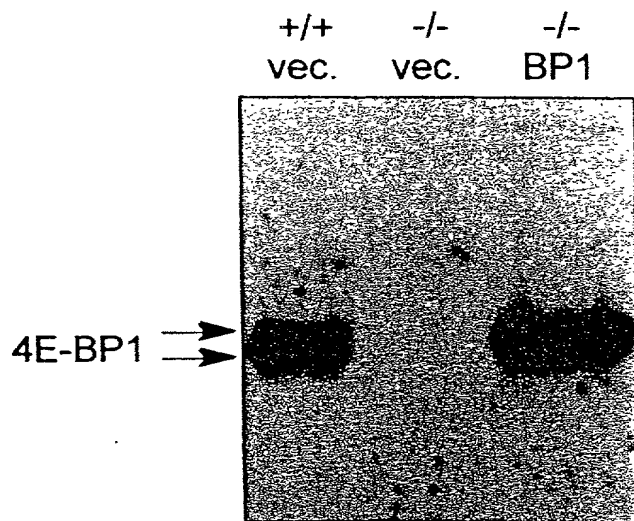


FIGURE 2a

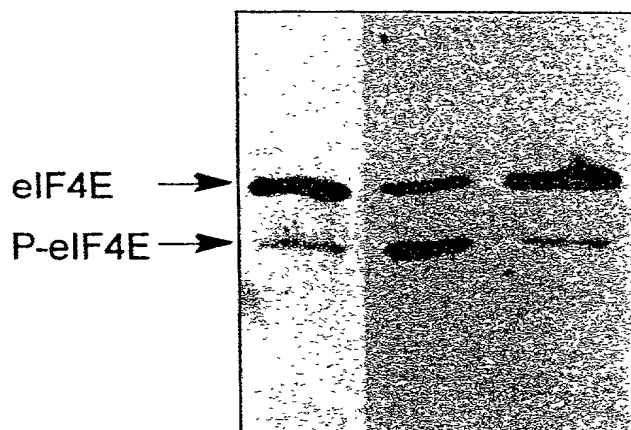


FIGURE 2b

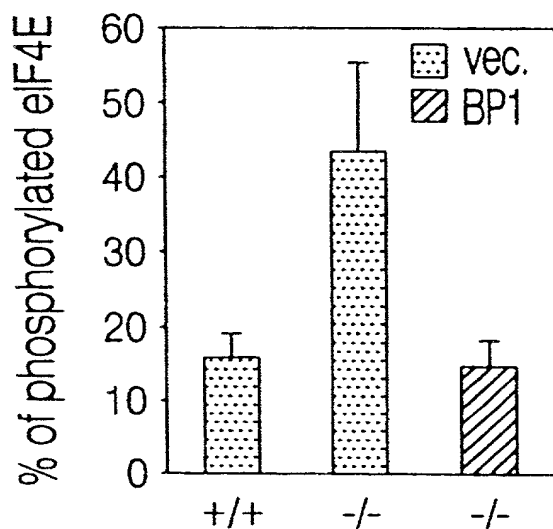


FIGURE 2c

h4E-BP1  
h4E-BP2  
h4E-BP3

R	I	I	Y	D	R	K	F	L	M	E	C	R	N	S	P
R	I	I	Y	D	R	K	F	L	L	D	R	R	N	S	P
R	I	I	Y	D	R	K	F	L	L	E	C	K	N	S	P

gg4E-BP  
hr4E-BP  
bm4E-BP  
sm4E-BP  
dd4E-BP

R	I	I	Y	D	R	K	F	L	M	E	C	R	N	S	P
R	I	I	Y	D	R	L	F	L	L	K	C	R	D	S	P
R	I	V	Y	E	R	S	E	M	L	S	L	R	Q	S	P
R	I	I	Y	E	R	D	F	I	L	S	C	R	N	S	P
K	I	V	Y	D	R	N	A	L	L	Q	Y	R	N	S	P

consensus

+ΦΦY-+.fLΦ..R.SP



Human	h4E-BP1	RI IYDRKFLLMECRNSP
	h4E-BP2	RI IYDRKFLLDRRNSP
	h4E-BP3	RI IYDRKFLL ECKNSP
	heIF4GI	KKRYDREHLLGFQFIF
	heIF4GII	KKQYDREHLLDFQFMP
	heIF4GI	KKRYDREHLLGFQFIF
Rabbit	4E-BP	RI IYDRKFLLMECRNSP
Chicken	zeIF4G	KKRYDREHLLGFQFIS
Zebrafish	dmeIF4G	KKQYDREHLLQLREVK
Drosophila	p82	RVRYSRDQILLDLRKIT
Wheat germ	eIF4G	RVKYTREQLLELKEVI
A. Thaliana	4E-BP	RI IYDRLEHLLKCRDSP
H. roretzi	4E-BP	RI VYERSEMLSLRQSP
BomByx mori	4E-BP	RI IYERDEHLLSCRNSP
S. mansoni	4E-BP	KI VYDRNALLLQYRNSP
D. discoideum	p150	KYTYGPTLELLQFKDKL
S. cerevisiae	p130	KYTYGPTLELLQFKDKL
	p20	MIKYTIDELEQLKPST

+Φ.Y.+ .fLΦ.....